

Product datasheet for **SC117469**

CHST2 (NM_004267) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHST2 (NM_004267) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHST2
Synonyms:	C6ST; gIcNAc6ST-1; Gn6ST-1; GST-2; GST2; HEL-S-75
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF sequence for NM_004267 edited
ATGAGCCGACGCCGACGAGCTCTGCCCGGGCGCGCTCCCTCGGCTGCTCCAGGCT
GCGCCTGCAGCCGCGCCGCTGCCCTGCTCCCGCAGTGGCCCCGGCGCCAGGACGCCG
TGGCCCGCTCCCTCTCGGAATGAAGGTGTTCCGTAGGAAGGCGCTGGTGTGTGCGCG
GGCTATGCACTGCTGCTGGTGTCACTATGCTCAACCTCCTGGACTACAAGTGGCACAAG
GAGCCGCTGCAGCAGTGAACCCCGATGGGCCGCTGGGTGCCGACGCGGGGACGCCGGA
GGCAGCTGGGGGCGCCAGGGCCGCTCCGGCCGGCCCGCCCGTGTCTATGCCCGTTTG
GACCTCCGCACTCCTTACCGCCCTCCCGCTGCCCGCTCGGGGCGGCTCCTGCAGCCGCG
GCAGGGATGGCGGGGTTGCGGCCCTCCAGGCAATGGCACTCGGGGACCCGGGGCGCTC
GGGGACAAGCGGAGCTGGTGTACGTGTTACCACGTGGCGCTCTGGCTCGTCTGTTCTTC
GGCGAGCTATTCAACCAGAATCCCGAGGTGTTCTTTCTCTACGAGCCAGTGTGGCATGTA
TGGCAAAACTGTATCCGGGGACGCCGTTTCCCTGCAGGGGACGCGGGGACATGCTG
AGCGCTCTTACCCTGCGACCTCTCTGTCTTCCAGTTGTATAGCCCCGCGGACGCGGG
GGCGCAACCTCACCACGCTGGGCATCTTCCGCGCAGCCACCAACAAGGTGGTGTGCTCG
TCACCCTCTGCCCGCCTACCGAAGGAGGTCTGGGGTTGGTGGACGACCGCGTGTGC
AAGAAGTGCCCGCACAGCGCCTGGCGGTTTCGAGGAGGAGTGCCGCAAGTACCGCACA
CTAGTCATAAAGGGTGTGCGCGTCTTCCAGCTGGCGGTCTTGGCGCCACTGCTGCGAGAC
CCGGCCCTGGACCTCAAGGTCACTCCACTTGGTGCCTGATCCCCGCGCGTGGCGAGTTCA
CGGATCCGCTCGCGCCACGGCCTCATCCGTGAGAGCCTACAGGTGGTGGCGAGCCGAGAC
CCGCGAGCTCACCGCATGCCCTTCTTGGAGGCCGCGGGCCACAAGCTTGGCGCAAGAAG
GAGGGCGTGGGCGCCCCGAGACTACCACGCTCTGGGCGCTATGGAGGTCACTGCAAT
AGTATGGTAAGACGCTGCAGACAGCCCTGCAGCCCCCTGACTGGCTGCAGGGCCACTAC
CTGGTGGTGGTACGAGGACCTGGTGGGAGACCCGTCAGACTACGAGAGAGTGTAC
GATTTTGTGGGACTGTTGGTGGAGCCCGAAATGGAGCAGTTTGCCTGAACATGACCAAGT
GGCTCGGGCTCCTCCTCAAGCCTTTCGTGGTATCTGCACGCAATGCCACGACGGCCGCG
AATGCCTGGCGGACCGCCCTCACCTTCCAGCAGATCAAACAGGTGGAGGAGTTTTGCTAC
CAGCCCATGGCCGCTCTGGGCTATGAGCGGGTCAACAGCCCTGAGGAGGTCAAAGACCTC
AGCAAGACCTGCTTCGGAAGCCCCGCTCTCTAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_004267 unedited
CCCAGTTGGATTTGTATACGACTCATATAGGCGGCTGCGAATTCGCACCAGTTTTTCT
TCCCGAGCCGACAGGGCGCCCGCTGCCCGNAACTGCCAGGGATAAGTCGGCCGACTCC
CCAGACCCTCGAAGGTGCGGGGACCCCGAGCGGAAGCGAGAGGGAGCGAAATCGAGGAA
CGAGTGACAGCCGGACAGTCCGCCGGCGGTGATCCGGGGCCGCTCCCGGGCGCGCCCTC
GGCTCCAGGTCTACCCGGAGCCGCTGCCATGGGAGAGCCAGCCTTGGGCGCTGGGGACC
AGCCCGCGCGCCGCTCGGAGTCGCGGCCGAGTCCCGGCGCCAGCAGCCAGCCCGCTG
CGTCCCCTTCCCGGGCTGCAGGGCTGCCCTCCCGCGCCCGCCGGCCCGGATTGTGCTGT
GATGAGCCGACAGCCGACGAGCTCTGCCCGGGCGCGCTCCTCGGCTGCTCCAGGC
TGCCTGACAGCCGCGCGCTGCCCTGCTCCCGCAGTGGCCCCGGCGCCAGGACGCCG
CTGGCCCGCTCCCTCTCGGAATGAAGGTGTTCCGTAGGAAGGCGCTGGTGTGTGCGC
GGGCTATGCACTGCTGCTGGTGTCACTATGCTCAACCTCCTGGACTACAAGTGGCACA
GGAGCCGCTGCAGCAGTGAACCCCGATGGGCCGCTGGGTGCCGACGCGGNGGACGCCG
AGGCAGCTGGGGGCGCCAGGGCCGCTCCTGCCGGGCCCGCCCGTGTCTATGCCCGTTT
GGACCTTCGCACTTCTTACCGNCTCCCGCTGNCGCCGTCGGGGCGGCTTCTGCAGCCG
TGCTAGGATGGCGGGGTTGCGGCCTTTCAGGCTATGGCACTCGNNG

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_004267 unedited CCAATACGTTGNCCGCGGCCGCTTCTACGTTTTTAAAAGGAAATTATTTATTAGCTTCTT TATTAATACTCACATGTAACTTTGCTTTTTACACAAAAGTCTGCTTTAGAAGAATGCCT CCTCGGCTTATCATGCCCAATGGGGCTTTTTGTTTCTGGACCACTTCCCCTTTCTCCACC CCCACCCACATCCAAATTACTCTTAACATGTTACAGATACCACGAATATTTTGTAAA CAAGATTTGGGTTACTGGAACCTGATTTTATTAACTCCCACTTCAAAATGGAAGGCAGG TGGAGGACAGGGTAAGAAATAGGAGAAAGAGACAAGAGAAGGCAAGAAGAAGAGGGGC ACCTGGTCAGAACGTTCAAGTCTTGCCTTTTCTTAGGGGTGTGTATTTTGTGGCTGTTCC TTGAAATGCACTGACTCAAAACATTGACAGCAAGTGTGTGTGATTATTTATATATCTA TAATAGAATATGTGGGCTTCTCCGTTTGTGCTGGACTGTGTTATTTAAACACACTAC GATCCTCTTTATAGGTATCACCACAGGGAATCAGGTCTCCTGGGAACCCCTTTAGAGAC GGGGCTTCCGAAGCAGGGTCTTGCTGAGGTCTTTGACCTCCTCAGGGCTGTTGACCCGCT CATAGCCCAGGACGGCCATGGGCTGGTAGCAAACTCCTCCACCTGTTTGATCTGCTGGA AGGTGAGGGCGGTCGCCAGGCATTGGCGGCTGCGTGGCATTGCGTGCAGATACCACGA AAGGCTTGTAGGAGGAGCCGAGCCACTGGTCATGTTGAGGGCANACTGCTCCATTTTCG GGCTCACCAACAGTCCCACANAATCGTACTCTTCGTAGTGTCTTGACGGNGTCTCCCA CT
Restriction Sites:	NotI-NotI
ACCN:	NM_004267
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_004267.3 , NP_004258.2
RefSeq Size:	3046 bp
RefSeq ORF:	1593 bp
Locus ID:	9435
UniProt ID:	Q9Y4C5
Cytogenetics:	3q24
Domains:	Sulfotransfer
Protein Families:	Transmembrane
Protein Pathways:	Keratan sulfate biosynthesis, Metabolic pathways

Gene Summary:

This locus encodes a sulfotransferase protein. The encoded enzyme catalyzes the sulfation of a nonreducing N-acetylglucosamine residue, and may play a role in biosynthesis of 6-sulfosialyl Lewis X antigen. [provided by RefSeq, Aug 2011]